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TITLE: Laminate structure for acoustic applications and process for the production thereof

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ABSTRACT:

CHG DATE=19990617 STATUS=0> The invention relates to a laminate structure for acoustic applications, which has a porous, flexible, non-woven, needle-punched mat of inherently non-combustible, fine glass fibres or fibres of another material, which mat is attached as cover layer to a sound-absorbent, flame-retardant, flexible backing layer, such as a layer of

open-celled foam or  
a mat of glass fibres or mineral fibres. The invention  
also relates to a  
process for producing a laminate of this kind. Depending  
on the type of  
materials used, the covering and/or the face layer and the  
backing layer can be  
bonded to one another by needle-punching and subsequent  
chemical adhesive  
bonding, by chemical adhesive bonding or by flame bonding  
(hot-melt adhesive  
bonding), in the case in which the backing layer is an  
open-celled foam, it  
being possible to foam the backing layer in situ on the  
reverse side of the  
face layer, in order in this manner to achieve an intimate  
bond between the two  
layers.